

IN THE CLAIM

Please cancel Claims 1 to 6, without prejudice or disclaimer of the subject matter thereof, and add new claim 7. The added new claim 7 is based on the original specification and the features in Fig. 2 of the present invention. The relation of the new claims with respect to the original claims are shown in the following REMARK. Examiners can read the claims more easily from the REMARK.

LIST OF CLAIMS:

Claim 7. (New) A test strip adapted to receive a liquid test sample and insertable in a meter for enabling the received liquid test sample to be analyzed by the meter, the test strip comprising:

a substrate (1); the substrate (1) being a narrow elongated strip, and a circuit pattern formed in the substrate (1); wherein when a liquid test sample is dropped to the circuit pattern (2) in the substrate (1), the substrate (1) is inserted into a meter, enabling the meter to examine the concentration of a particular substance in the applied liquid test sample;

the circuit pattern being formed of bio-carbon, and directly printed on the substrate (1), the circuit pattern comprising a first circuit (21) and a second circuit (22); the first circuit (21) and the second circuit (22) having a front and a second probe end (211), (221), respectively, a first and a second rear contact end (213), (223), respectively, and a first and a second elongated transmission section (212), (222), respectively connected between the respective front probe end (211), (221) and the respective rear contact end (213), (223); the first and second circuits (21) and (22) are so arranged that a test sample accumulation space (23) is formed in the substrate (1) between the front probe ends (211) and (221) of the first and second circuits (21), (22) and adapted to receive the liquid test sample to be examined;

the first rear contact end (213) being an enlarged area having a width wider than that of the first elongated transmission section (212);

the second front probe end (211) being an enlarged rectangular area; three sides of the enlarged rectangular area being enclosed by the first front probe end (221);

the second rear contact ends (213) having two pines which are connected to the second elongated transmission section (222); and

an auxiliary rear contact (24) being formed on the substrate (1) and being arranged between the two pines of the second rear contact end (213);

the substrate (1) having a protruding guide portion (11) corresponding to the test sample accumulation space (23) for guiding the applied liquid test sample into the test sample accumulation space (23), wherein when the applied liquid test sample is guided to the test sample accumulation space (23), the front probe ends (211) and (221) of the first and second circuits (21), (22) being induced to produce a reacted signal; the transmission sections (212) and (222) of the first and second circuits (21) and (22) transmit reacted signal from the front probe ends (211) and (221) to the rear contact ends (213) and (223) and then to respective contacts in the meter in which the test strip is inserted.